CONTENTS

Preface ix

Organizing committee x

Opening address
S. Nakajima xi

Welcome address
Y. Yamada xiii

Yamada Science Foundation and the scope of Yamada Conferences – Executive members of the Foundation xiv

Contents xv

I. Inorganic conductors

I-1. Dynamics and metastability of charge-density-wave systems

Scaling behavior in high field charge density wave transport and the role of free carrier damping
N.P. Ong and X.J. Zhang 3

Frequency dependent response of pinned CDW condensates
G. Grüner 8

Depinning of charge-density waves by quantum tunneling
J. Bardeen 14

Dynamics of sliding charge density waves
J.R. Tucker 19

Microwave harmonic mixing in niobium triselenide below threshold
K. Seeger, A. Philipp and W. Mayr 24

Harmonic mixing in niobium triselenide at large microwave power-levels
A. Philipp, W. Mayr and K. Seeger 27

Nonlinear ac and dc conduction phenomena of charge-density-waves described by the Fukuyama–Lee–Rice model
H. Matsukawa and H. Takayama 30

Magnetic field effects to 230 kG on the magnetotransport and charge-density waves in $NbSe_3$
R.V. Coleman, M.P. Everson, G. Eiserman and A. Johnson 33

CDW depinning of $NbSe_3$ under a magnetic field
J. Richard, O. Laborde and P. Monceau 38

The evolution of nonlinear electrical transport effects in TTF–TCNQ as driven through CDW commensurability
R.C. Lacoe, J.R. Cooper, D. Jerome, H.J. Schulz, F. Creuzet, K. Bechgaard and I. Johannsen 41

Frequency dependent conductivity measurements on TTF–TCNQ
J. Richard, R.C. Lacoe, D. Jerome and P. Monceau 46

Evidence for thermally-initiated phase-slip in charge-density waves in niobium triselenide
J.C. Gill 49

Direct observation of conduction noise under pulsed electric field in the nonohmic regime of $NbSe_3$
M. Ido, Y. Okajima, H. Wakimoto and M. Oda 54

Breakable charge density waves
K. Maki 59

Breaking of the CDW coherence in various inhomogeneous situations
P. Monceau, M. Renard, J. Richard and M.C. Saint-Lager 64

Dynamics of charge density wave conductors: broken coherence, chaos, and noisy precursors
A. Zettl, M.S. Sherwin and R.P. Hall 69

Nonlinear effects in small o-TaS_3 samples
D.V. Borodin, F.Ya. Nad', Ya.S. Savitskaya and S.V. Zaitsev-Zotov 73

Charge density wave conduction: dynamics and finite size effects
R.A. Klemm and M.O. Robbins 76

Numerical study of statics and dynamics of charge-density-waves based on Fukuyama–Lee–Rice model
H. Matsukawa and H. Takayama 80

Numerical experiments on glassy charge density waves in three dimensions
S. Abe 85

Structures and the sliding motion of CDW's in blue bronzes and other low dimensional conductors
M. Sato 90

Metastability and dynamics in the charge-density wave state of $K_{0.30}MoO_3$
R.M. Fleming, R.J. Cava and L.F. Schneemeyer 95

The disequilibration of the pinned charge density wave by slight temperature changes
Z.Z. Wang and N.P. Ong 100

The blue bronze: the charge density wave state and nonlinear transport
C. Schlenker and J. Dumas 103

Broadband noise in blue bronze $K_{0.3}MoO_3$
A. Maeda, T. Furuyama, K. Uchinokura and S. Tanaka 108

Analogy between depinning of a charge density wave and elastic–plastic transition in metallurgy
D. Feinberg and J. Dumas 111

Electric-field induced deformation of sliding CDW in $K_{0.30}MoO_3$
T. Tamegai, K. Tsutsumi and S. Kagoshima 114

Evidence for sliding motion of CDW in $Rb_{0.3}MoO_3$: ^{87}Rb NMR
K. Nomura, T. Sambongi, K. Kume and M. Sato 117

NMR evidence of the Fröhlich mode in $Rb_{0.30}MoO_3$
P. Segransan, A. Janossy, C. Berthier, J. Marcus and P. Butaud 120

Switching and intermittent oscillations in $K_{0.3}MoO_3$
A. Maeda, T. Furuyama, K. Uchinokura and S. Tanaka 123

CDW transport in $A_{0.30}MoO_3$: crystal quality, inhomogeneous conductivity and contact geometry
P. Beauchene, J. Dumas, A. Janossy, J. Marcus and C. Schlenker 126

Non-linear conduction in $K_{0.30}MoO_3$ below 4.2 K
K. Tsutsumi 129

Field hysteresis and relaxation in $K_{0.3}MoO_3$
K. Fukuda and T. Sambongi 132

Kink dynamics, breathers and narrow band noise in charge density waves
B. Horovitz, A.R. Bishop and P.S. Lomdahl 135

Quantum statistical mechanics of the sine-Gordon model with dissipation
K. Hida and S. Nakaya 140

Quantum effects on impurity pinning and depinning of charge density waves
T. Saso and Y. Suzumura 143

Phase-slip-center as a dynamic amplitude solution. Theory.
S.N. Artemenko, A.F. Volkov and A.N. Kruglov 146

DC-induced voltage oscillations in uniaxial deformed o-TaS_3
V.B. Preobrazhensky and A.N. Taldenkov 149

A phase-slip model of switching
R.P. Hall, M.F. Hundley and A. Zettl 152

CDW conduction study under rf field in monoclinic TaS_3
Yu.I. Latyshev, V.E. Minakova, Ya.S. Savitskaya and V.V. Frolov 155

AC conductivity and dielectric constant in $(NbSe_4)_{10/3}I$ and $(TaSe_4)_2I$
T. Sekine, T. Tsuchiya and E. Matsuura 158

Elastic behavior of linear chain conductor $(TaSe_4)_2I$
A. Suzuki, H. Mizubayashi, S. Okuda and M. Doyama 161

I-2. Equilibrium properties of charge-density-wave systems

The effect of magnetic fields on the electronic structure of density-wave systems
L.M. Falicov and C.A. Balseiro 167

Pressure and field dependences of dc resistance of o-TaS_3 along the *b*-axis
D.-L. Zhang, H.-M. Duan, X.-F. Chen, P.-J. Wu and S.-Y. Lin 171

Electrical anisotropy of the chain-like conductors $NbSe_3$ and $TaSe_3$
H.P. Geserich, G. Scheiber, F. Lévy and P. Monceau 174

Tunnel junctions $NbSe_3/I/Pb$ under pressure
A. Fournel, J.P. Sorbier, M. Konczykowski, P. Monceau and F. Lévy 177

Point contact study of orthorhombic TaS_3
Yu.I. Latyshev and Ya.S. Savitskaya 180

Metastable electron paramagnetic resonance spectra in the charge density wave state of $K_{0.30}MoO_3$
J. Dumas, R. Buder, J. Marcus, C. Schlenker and A. Janossy 183

Mössbauer studies of the charge density wave state of ^{57}Fe–$K_{0.30}MoO_3$
J.Y. Veuillen, R. Chevalier, J. Marcus and C. Schlenker 186

Electronic structure of $K_{0.30}MoO_3$ studied by ultraviolet photoemission spectroscopy
H. Matsuoka, K. Ohtake, R. Yamamoto, M. Doyama, H. Sakamoto, T. Mori, H. Namatame, Fujisawa, K. Soda and S. Suga 189

Electronic structure of $(TaSe_4)_2I$ studied by positron annihilation and ultraviolet photoemission spectroscopy (UPS)
K. Ohtake, E. Sato, S. Koshiba, R. Yamamoto, M. Doyama, K. Soda, T. Mori, S. Suga and K. Endo 192

Lattice vibrations at the charge-density-wave phase transitions in $(TaSe_4)_2I$ and $(NbSe_4)_2I$
S. Sugai, S. Kurihara and M. Sato 195

Optical investigation of the Peierls gap in the chain-like conductor $(TaSe_4)_2I$
H.P. Geserich, G. Scheiber, M. Dürrler, F. Lévy and P. Monceau 198

Inelastic neutron scattering of the low-dimensional conductors $(TaSe_4)_2I$ and Mo_8O_{23}
H. Fujishita, M. Sato, S.M. Shapiro and S. Hoshino 201

Influence of deviations from the stoichiometric compositions for the physical properties of $(T,M)_{1+x}Nb_{3-x}Se_{10}$ with T = Fe, Cr and M = Nb, Ti
H. Grüber, E. Bauer, H. Sassik and W. Steiner 204

Numerical study of charge density waves in nearly quarter-filled one-dimensional electron–phonon systems
Y. Ono and Y. Ohfuti 207

Solitons in quarted-filled one-dimensional electron–phonon systems
Y. Ohfuti and Y. Ono 210

Kink lattice structure and midgap band in incommensurate charge density waves
K. Machida and M. Nakano 213

Coulomb-induced pseudo-critical behaviour in disordered CDW's
L.K. Hansen and K. Carneiro 216

Long-range Coulomb effects in incommensurate CDW systems
Y. Nakane, K.Y.M. Wong and S. Takada 219

The anisotropy and Peierls transition in quasi one-dimensional conductors
X. Sun, Z.-R. Wang and C.-Q. Wu 222

Effects of forward scattering and incommensurate lattice in 1-D weak localization
T. Sugiyama and H. Gutfreund 224

I-3. Superconductivity

BCS pairing versus bipolaron crystallization in one- and two-dimensional strongly coupled electron–phonon systems
K. Nasu 229

Polarized reflectance spectra of the one-dimensional superconductor $Tl_2Mo_6Se_6$ – a comparison with the anisotropic superconductor $(SN)_x$
H.P. Geserich, G. Scheiber, M. Dürrler, M. Potel, M. Sergent and P. Monceau 234

Anomalies observed in the superconducting transition region in $TaSe_3$
K. Yamaya, Y. Tajima and M. Morita 237

Anisotropic superconducting transition in $ZrTe_3$
H. Nakajima, K. Nomura and T. Sambongi 240

Superconductivity in $Li_{0.9}Mo_6O_{17}$
Y. Matsuda, M. Onoda and M. Sato 243

Effect of impurities on quasi-one-dimensional superconductors
Y. Suzumura 246

One dimensional BCS Hamiltonian in $Hg_{3-\delta}AsF_6$
T. Sugiyama, M. Weger and H. Gutfreund 249

I-4. Others

Stacking disorder in NbS_3 and ZrX_3 (X = S, Se)
T. Iwazumi, M. Izumi, K. Uchinokura, R. Yoshizaki and E. Matsuura 255

Metal–insulator transitions in the quasi-one-dimensional compound $(NbSe_4)_3I$
I. Taguchi, F. Lévy and H. Berger 258

Formation of long-range order near the second-order phase transition temperature in $(NbSe_4)_3I$
T. Iwazumi, M. Izumi, F. Sasaki, R. Yoshizaki and E. Matsuura 261

Properties of the phase transition in $(NbSe_4)_3I$
A. Smontara, K. Biljaković, L. Forró and F. Lévy 264

Thermal and magnetic measurements on $ZrTe_5$
A. Smontara, K. Biljaković, M. Miljak and T. Sambongi 267

Defects in $(H_3O)_{0.33}Li_{0.8}(Pt(mnt)_2)$ 1.67 H_2O
J. Hjorth Ipsen and K. Carneiro 270

Valence fluctuation and negative thermal expansion in quasi one-dimensional Pt compounds
T. Murao 273

Pseudo-gap model for KCP. Application to the near infrared conductivity
I. Baldea and M. Apostol 276

II. Organic conductors

II-1. Synthesis and structure analysis

Synthesis, structure and electrical properties of the two-dimensional organic conductor, $(BEDT-TTF)_2BrI_2$
D. Zhu, P. Wang, M. Wan, Z. Yu, N. Zhu, S. Gärtner and D. Schweitzer 281

Radical cation salts of BEDT–TTF and an unsymmetrical BEDT–TTF derivate
D. Schweitzer, K. Bender, H. Endres, S. Gärtner, R. Heid, I. Heinen, H.J. Keller, A. Weber and M. Weger 285

Synthesis, structure, and properties of $(BPDT-TTF)_2IBr_2$
P.J. Nigrey, B. Morosin, E.L. Venturini, L.J. Azevedo, J.E. Schirber, S.E. Perschke and J.M. Williams 290

The crystal growth of BEDT–TTF complexes with linear chain anions
H. Anzai, M. Tokumoto, T. Ishiguro, H. Kobayashi, R. Kato and A. Kobayashi 293

Chemical and physical properties of charge transfer complexes of capped donors (BEDT–TTF series) and uncapped donors (TTC_n–TTF series)
G. Saito 296

Molecular solids containing BEDT–TTF and structurally related transition metal complexes
H.J. Keller, R. Niebl, D. Nöthe, D. Schweitzer and A. Weber 301

Cation radical salts based on Te-containing tetrachalcogenotetracenes
R. Kato, H. Kobayashi and A. Kobayashi 304

Multi-sulfur π-donors and π-acceptors and a few of their charge transfer complexes
G.C. Papavassiliou, J.S. Zambounis and S.Y. Yiannopoulos 307

Nitrogen-containing tetrathiafulvalenes and a few of their charge transfer complexes
G.C. Papavassiliou, S.Y. Yiannopoulos and J.S. Zambounis 310

Conductive and superconductive materials derived from dmit-complexes
P. Cassoux, L. Valade, J.-P. Legros, L. Interrante and C. Roucau 313

Structure and properties of $[M(S_2C_2(CN)_2)_2]$(where M is Ni, Pd, or Pt) monoanions with small cations
A.E. Underhill and P.I. Clemenson 316

Synthetic studies on extended s-donor ligands as potential molecular conductors
K.S. Varma and A.E. Underhill 321

Electrical properties of powdered mixtures of pure TCNQ and TTF: evidence for a strong solid-state charge-transfer reaction
J.P. Farges and A. Brau 324

II-2. Superconductivity

Superconducting and magnetic instabilities in $(TMTSF)_2X$ and $(BEDT-TTF)_2$ conductors
D. Jerome, F. Creuzet and C. Bourbonnais 329

Peculiarities of organic superconductors of the $(BEDT-TTF)_2X$-family
K. Andres, H. Schwenk and H. Veith 334

High T_c superconducting state in organic metal β-$(BEDT-TTF)_2X$
M. Tokumoto, K. Murata, H. Bando, H. Anzai, K. Kajimura and T. Ishiguro 338

Shear induced superconductivity in $\beta(BEDT-TTF)_2I_3$
J.E. Schirber, J.F. Kwak, M.A. Beno, H.H. Wang and J.M. Williams 343

β-$(ET)_2X$ organic superconductors: linear-anion control of structure and ambient-pressure superconductivity, and the first point-contact tunneling studies of β-$(ET)_2AuI_2$ implying extremely strong coupling
J.M. Williams, A.J. Schultz, H.H. Wang, K.D. Carlson, M.A. Beno, T.J. Emge, U. Geiser, M.E. Hawley, K.E. Gray, E.L. Venturini, J.F. Kwak, L.J. Azevedo, J.E. Schirber and M.-H. Whangbo 346

A neutron diffraction study of the extent of disorder in the low temperature (20 K) structure of β-$(BEDT-TTF)_2I_2Br$
A.J. Schultz, T.J. Emge, P.C.W. Leung, M.A. Beno, H.H. Wang and J.M. Williams 351

The structure of β-$(BEDT-TTF)_2I_3$ at 4.5 K and 1.5 kbar
A.J. Schultz, H.H. Wang, J.M. Williams and A. Filhol 354

Temperature and angular dependence of the upper critical field in $\beta 2(BEDT-TTF)_2I_3$ and its deuterated analogue
C.-P. Heidmann, K. Andres and D. Schweitzer 357

Meissner effect under pressure in organic superconductors of the $\beta(BEDT-TTF)_2X$ family ($X = I_3$, IBr_2, AuI_2)
H. Veith, F. Gross, C.-P. Heidmann, K. Andres, H. Fuchs and E. Amberger 360

Two superconducting phases in the organic conductor: β-$(BEDT-TTF)_2I_3$
F. Creuzet, C. Bourbonnais, G. Creuzet, D. Jerome, D. Schweitzer and H.J. Keller 363

Upper critical field of $\beta(BEDT-TTF)_2I_3$ in the high T_c superconducting state
K. Murata, N. Toyota, M. Tokumoto, H. Anzai, G. Saito, K. Kajimura, S. Morita, Y. Muto and T. Ishiguro 366

Critical magnetic fields and related properties of the ambient pressure organic superconductor β-$(BEDT-TTF)_2IBr_2$
L. Nuñez, K.D. Carlson, L.N. Hall, G.W. Crabtree, M.T. Perozzo, H.H. Wang and J.M. Williams 369

Radiation effect on superconductivity in β-$(BEDT-TTF)_2I_3$
M. Tokumoto, I. Nashiyama, K. Murata, H. Anzai, T. Ishiguro and G. Saito 372

The role of the anions in determining the ground state and the low temperature behaviour of the organic alloy $(TMTSF)_2(ClO_4)_{1-x}(ReO_4)_x$, $0 \leqslant x \leqslant 1$
S. Tomić, L. Brossard, R.C. Lacoe, D. Jerome, D. Mailly, M. Ribault, K. Bechgaard and G. Rindorf 375

The first 3D molecular superconductor under pressure?: TTF $[Ni(dmit)_2]_2$
L. Brossard, M. Ribault, L. Valade and P. Cassoux 378

II-3. Spin density wave

Magnetic field induced phases of $(TMTSF)_2ClO_4$
P.M. Chaikin, J.S. Brooks, R.V. Chamberlin, L.Y. Chiang, D.P. Goshorn, D.C. Johnston, M.J. Naughton and X. Yan 383

Quantum oscillations and field-induced transitions in $(TMTSF)_2ReO_4$
R.L. Greene, S.S.P. Parkin and H. Schwenk 388

Field induced phase transitions in the Bechgaard salts
M. Ribault, F. Pesty, L. Brossard, B. Piveteau, P. Garoche, J.R. Cooper, S. Tomić, A. Moradpour and K. Bechgaard 393

$(TMTSF)_2PF_6$: Evidence for a unified phase diagram
J.F. Kwak, J.E. Schirber, P.M. Chaikin, J.M. Williams, H.H. Wang and L.Y. Chiang 397

High field magnetoresistance of $(TMTSF)_2ClO_4$ and $(TMTSF)_2PF_6$. Quantum effects and phase transitions
J.-P. Ulmet, A. Khmou and L. Bachere 400

New aspects of the field-induced SDW states observed for $(TMTSF)_2ClO_4$ in high magnetic fields
T. Osada, N. Miura and G. Saito 403

Hall effect study of field induced quantum oscillations in $(TMTSF)_2PF_6$ at 10.5 kbar
L. Brossard, B. Piveteau, D. Jerome, A. Moradpour and M. Ribault 406

Shubnikov–de Haas oscillations and $(0\ \frac{1}{2}\ \frac{1}{2})$ anion ordering in $(TMTSF)_2ReO_4$ at 14 kbar observed by transport measurements
L. Brossard, S. Tomić, D. Mailly, D. Jerome, M. Ribault and K. Bechgaard 409

Nesting vector, amplitude and anisotropy of SDW in $(TMTSF)_2X$ obtained by NMR
J.M. Delrieu, M. Roger, Z. Toffano, E.W. Mbougue, P. Fauvel, R.S. James and K. Bechgaard 412

Determination of SDW characteristics in $(TMTSF)_2PF_6$ by ^{1}H-NMR analysis
T. Takahashi, Y. Maniwa, H. Kawamura and G. Saito 417

^{77}Se NMR study of the SDW state in $(TMTSF)_2ClO_4$
M. Takigawa and G. Saito 422

Antiferromagnetic resonance: a probe for various organic conductors
C. Coulon, R. Laversanne and J. Amiell 425

Measurement and calculation of the far-infrared conductivity of two $(TMTSF)_2X$ salts in the spin-density-wave state
J.E. Eldridge and G.S. Bates 428

Cascade of field induced spin density wave phases in quasi one dimensional conductors
G. Montambaux, M. Héritier and P. Lederer 431

Quantized density wave ordering induced by a magnetic field in quasi one-dimensional conductors in the weak coupling limit
D. Poilblanc, M. Héritier, G. Montambaux and P. Lederer 436

On the magnetic-field-induced SDW phase in the Bechgaard salts
K. Yamaji 439

Cascade of the field induced spin density wave transition in Bechgaard salts
L. Chen, K. Maki and A. Virosztek 444

The transition temperature in quasi-one-dimensional conductors, $(TMTSF)_2X$
Y. Hasegawa and H. Fukuyama 447

The role of kinetic interchain coupling in quasi-1D conductors
C. Bourbonnais and L.G. Caron 450

Importance of one-dimensional correlations in the phase diagram of the $(TMTTF)_2$–$(TMTSF)_2$-X salts
L.G. Caron and C. Bourbonnais 453

Properties of anisotropic spin-density-wave and triplet superconducting states in quasi-one-dimensional conductors
H.J. Schulz 456

II-4. Other properties

Temperature dependence of the reflectance spectra of BEDT–TTF polyhalides
K. Yakushi, H. Tajima, H. Kanbara, M. Tamura, H. Kuroda, G. Saito, H. Kobayashi, R. Kato and A. Kobayashi 463

Relations between infrared absorption and electron–electron interactions in organic conductors
C.S. Jacobsen 468

Optical absorption in "quarter-filled band " TCNQ salts
D.B. Tanner, I. Hamberg, C.S. Jacobsen, M. Almeida, K. Carneiro, A.J. Epstein and J.S. Miller 471

Pressure and temperature dependence of the crystallographic structures of $(TMTCF)_2X$ salts: a change in the band structure under constraint
B. Gallois, J. Gaultier, L. Ducasse and M. Abderrabba 474

Thermal expansion in organic conductors
G. Creuzet, C. Gaonach and B. Hamzic 479

Investigation of α- and β-$(BEDT–TTF)_2I_3$ by electron energy-loss spectroscopy
N. Nücker, J. Fink, D. Schweitzer and H.J. Keller 482

Electronic and vibrational absorption spectra in DMtTCF and TMTCT salts: estimation for electronic correlations
P. Delhaes, C. Garrigou-Lagrange and J.M. Fabre 485

Electronic excitations in α-$(BEDT–TTF)_3(NO_3)_2$
H.-W. Helberg 488

High resolution NMR investigation in the organic conductors $(TMTSF)_2X$, $X = ClO_4$, ReO_4
P.C. Stein, P. Bernier and C. Lenoir 491

Temperature effects on the ^{13}C high resolution NMR in $(TMTSF)_2X$ salts
P. Bernier, P.C. Stein and C. Lenoir 494

NMR study of the molecular motion in $(TMTSF)_2ClO_4$
M. Takigawa and G. Saito 497

A comparative study of cation radical salts of tretramethoxynaphthalene, TNM, with anions of different sizes and shapes; ClO_4^- and AsF_6^-
S. Söderholm, J. Hellberg and J.U. von Schütz 500

Electronic structure and magnetic property of DBTTF radical ion complexes
M. Tanaka 503

Electronic and structural properties of β-$(BEDT–TTF)_2I_3$ by ^1H-NMR measurements
Y. Maniwa, T. Takahashi, K. Murata and G. Saito 506

Magnetoresistance in β-$(BEDT–TTF)_2X$ salts
K. Oshima and G. Saito 509

An approach to the control of dimensionality of molecular conductors. Structure and electrical properties of (BMDT–TTF)(TCNQ)
H. Kobayashi, R. Kato, A. Kobayashi, Y. Nishio, K. Kajita and W. Sasaki 512

Experimental and theoretical studies of transition metal dithiolate and diselenolate
M.T. Jones and S. Jansen 515

Comparative ESR studies of the polycrystalline alkali metal tetrafluorotetracyanoquinodimethan ($TCNQF_4$) charge transfer salts
M.T. Jones, T. Maruo, S. Jansen, J. Roble and R.D. Tataiczak 518

Optical-phonon-mediated charge transport in substituted morpholinium $TCNQ_2$ salts
G.J. Kramer, H.B. Brom and L.J. de Jongh 521

Physical properties of phenanthrene-TCNQ complex
H.C. I. Kao and C.-C. Cheng 524

Domain wall dynamics in mixed-stack charge-transfer crystal
Y. Tokura, H. Okamoto, T. Koda, T. Mitani and G. Saito 527

Electronic states and soliton structures in the mixed-stack compounds
N. Nagaosa and J. Takimoto 530

Coulomb correlation effects in quasi-one-dimensional conductors
D.K. Campbell, D. Baeriswyl and S. Mazumdar 533

Extended PPP model: 2^1A and 1^3B states of polydiacetylene fragments
Z.G. Soos, S. Mazumdar and S. Kuwajima 538

Competition between structural instabilities in organic conductors and superconductors
S. Ravy, R. Moret, J.P. Pouget and R. Comes 542

ESR study under hydrostatic pressure on $(BEDT)_2SbF_6$ and AsF_6: disappearance of the metal–insulator phase transition
G. Sekretarczyk, M. Krupski, A. Graja, P. Delhaes and R. Laversanne 547

Phase transition of the BEDT–TTF charge-transfer complex with ClO_4
M. Kobayashi, T. Enoki, K. Imaeda, H. Inokuchi and G. Saito 550

The incommensurate phase in spin-Peierls systems and its analogy with the electronic Peierls problem: a comparison
T.W. Hijmans, H.B. Brom and L.J. de Jongh 553

Raman scattering on $MEM(TCNQ)_2$ in the vicinity of the spin-Peierls transition
E.F. Steigmeier, H. Auderset, D. Baeriswyl and J. de Boer 556

Regular-dimerized stack vs. neutral-ionic instability in mixed stack CT crystals
A. Girlando and A. Painelli 559

A new mechanism of the structural phase transition accompanied by the change of the electronic structure of α-(BPDT–TTF)$[Ni(dmit)_2]_2$
A. Kobayashi, R. Kato, H. Kobayashi, T. Mori and H. Inokuchi 562

Magnetic resonance analysis of the phase transition in fluoranthene radical cation salts
G. Sachs, W. Stöcklein, G. Denninger, M. Schwoerer and E. Dormann 565

III. Summaries

Summary remarks on CDW's: Yamada Conference
J. Bardeen 571

Concluding remarks on superconductivity and spin density waves
P.M. Chaikin 573

Closing remarks: new materials
A.E. Underhill 576

List of participants 581
List of contributors 588
Materials index 590
Analytic subject index 591